

Job Risk Analysis																	
Name(s) of Risk Team Members: E. Lessard, D. Passarello, Y. Makdisi				Point Value → Parameter ↓		1		2		3		4		5			
Job Title: Tour of RHIC Experimental Facilities Job Number or Job Identifier: JRA 22				Frequency (B)		≤once/year		≤once/month		≤once/week		≤once/shift		>once/shift			
Job Description: Tours of RHIC Experimental Areas and Tunnel (1005) that Involve the Public				Severity (C)		First Aid Only		Medical Treatment		Lost Time		Partial Disability		Death or Permanent Disability			
Training and Procedures List (optional):				Likelihood (D)		Impossible		Unlikely		Possible		Probable		Multiple			
Approved by: <i>E. Lessard</i> Date: 8-18-04      Rev. #: 0																	
Stressors (if applicable, please list all):				Reason for Revision (if applicable):						Comments: Tour groups consist of up to 40 people each. Four tour groups at one time are possible. Since many escorts are present, each group is counted as 1 person for the purpose of estimating risk.							
				Before Additional Controls									After Additional Controls				
Job Step / Task	Hazard	Control(s)	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors Y/N	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction	
Disembark and embark at 1005, PHENIX, PHOBOS, STAR	Traffic accident	Escorts, individuals controlling the traffic flow, disembark on the right side of road only	N	4	1	5	2	40									
Walk from bus to entrance at 1005	Falls at the same level	Clear walking areas, non-slip surfaces	N	4	1	4	2	32									
Tour of 1005	Falls at the same level	Railings	N	4	1	4	2	32									
Descend / ascend stair at 1005 to tunnel	Fall from height	Railings, proper lighting, slip resistant stair surfaces	N	4	1	4	2	32									
Enter, walk around and exit tunnel at 1005	Struck against object due to equipment mounted on wall	Pads on equipment surfaces, proper lighting, escorts, doors and gates held open, limits on number in tour group, tour guides trained in emergency preparedness, fences preventing access to restricted equipment/areas	N	4	1	2	2	16									
Walk from bus to entrance and tour of STAR High Bay	Falls at the same level	Clear surfaces on grounds and driveway, high bay roll-up door is used for access/egress, clear aisle ways, proper lighting, no work during tours, limits on number in tour group, tour guides trained in emergency preparedness, fences preventing access to restricted equipment/areas	N	4	1	4	2	32									

Tour of STAR High Bay	Noise due to air handlers	Open the high bay door during tour or turn down air handler	N	4	1	2	2	16								
Walk from bus to entrance and tour of PHENIX High Bay	Falls at the same level	Clear surfaces on grounds and driveway, high bay roll-up door is used for access/egress, clear aisle ways in PHENIX, proper lighting, no work during tours, limits on number in tour group, tour guides trained in emergency preparedness, fences preventing access to restricted equipment/areas	N	4	1	4	2	32								
Tour of PHENIX Detector Platform	Falls from heights	Railings, floor surfaces covered with smooth materials, clear aisle ways, proper lighting, no work during tours, limits on number in tour group, tour guides trained in emergency preparedness, fences preventing access to restricted equipment/areas	N	4	1	4	2	32								
Walk from bus to entrance and tour of PHOBOS Tunnel	Falls at the same level	Shield block removed to allow access/egress through wide double doors to tunnel, clear surfaces on grounds and driveway, no work during tours, door held open, limits on number in tour group, tour guides trained in emergency preparedness, proper lighting in tunnel area, fences preventing access to restricted equipment/areas	N	4	1	4	2	32								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20		21 to 40			41-60			61 to 80			81 or greater				
	Negligible		Acceptable			Moderate			Substantial			Intolerable				